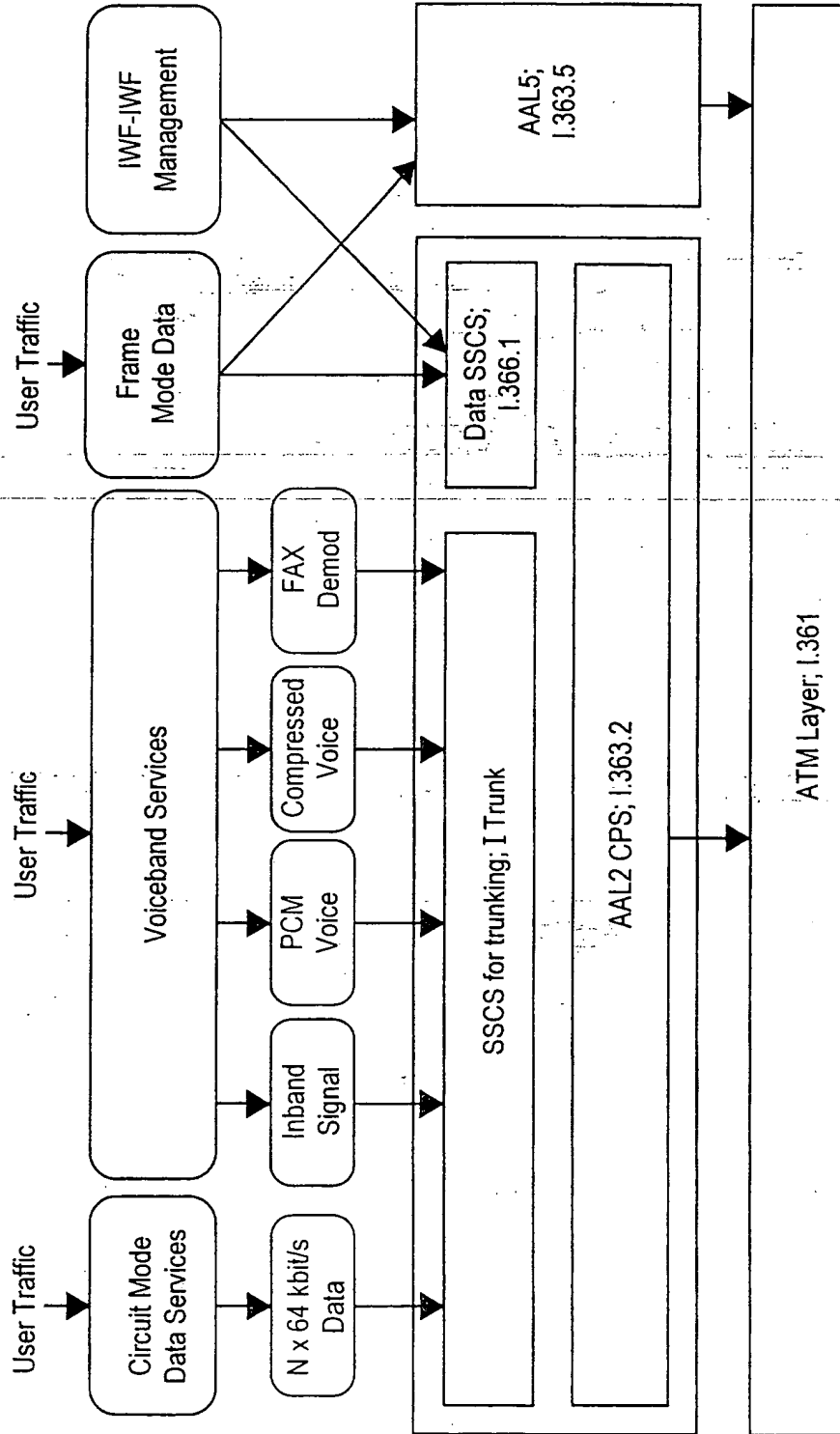
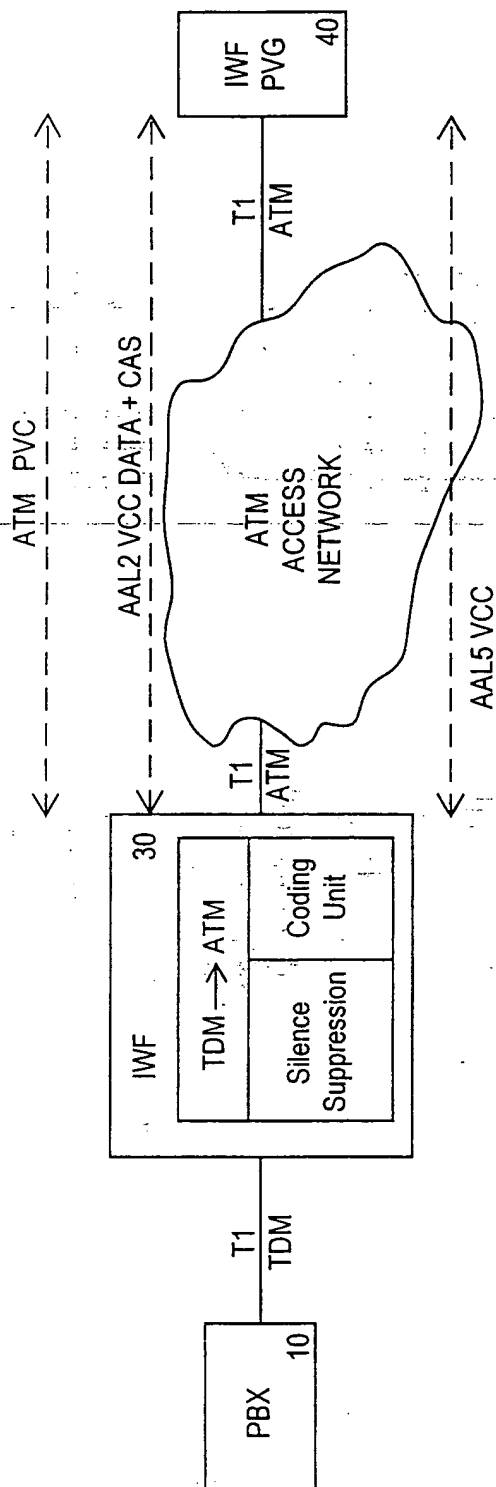


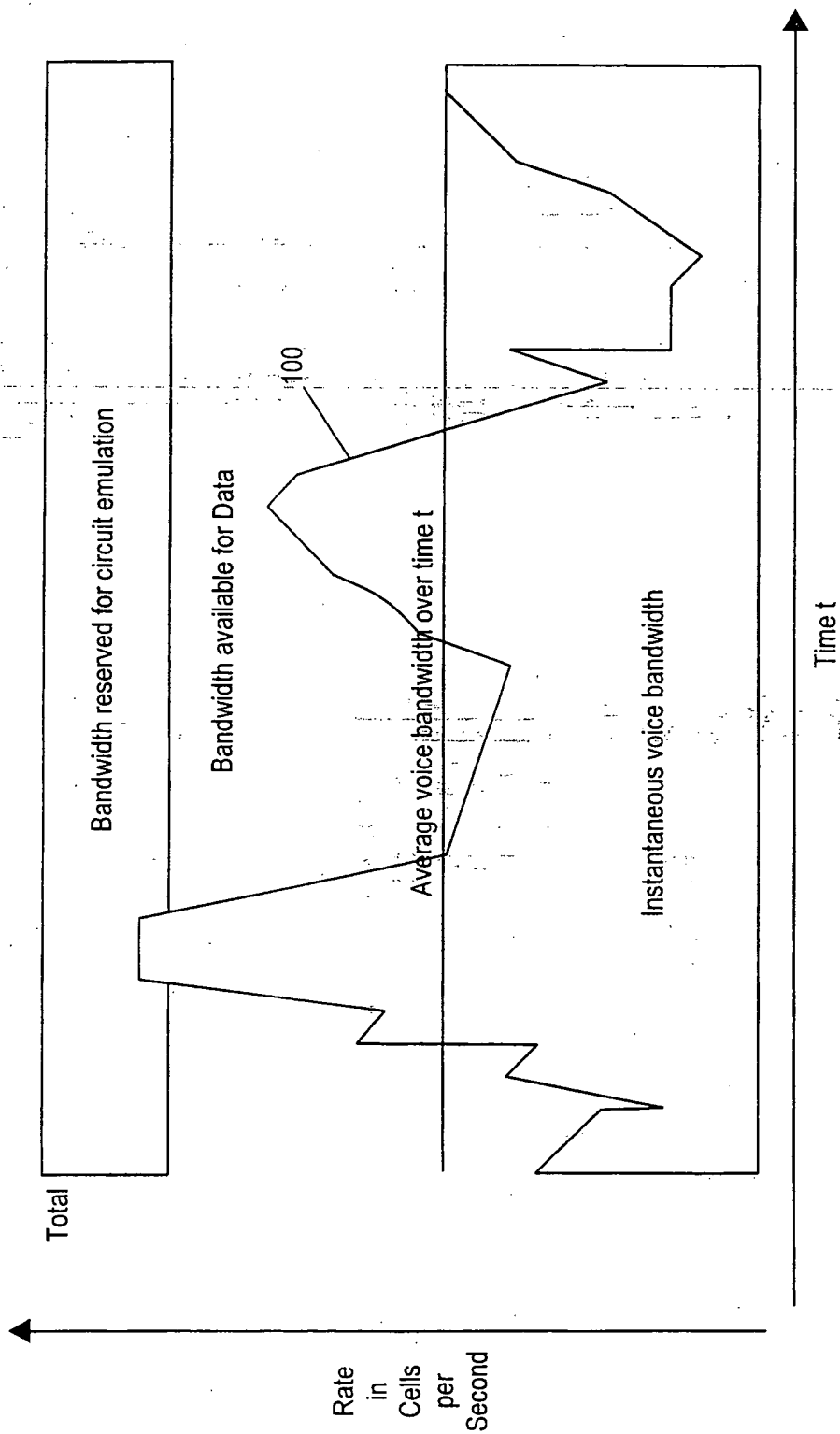
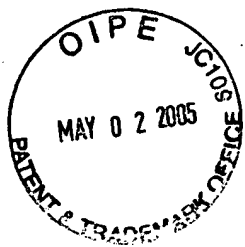
**Fig. 1**



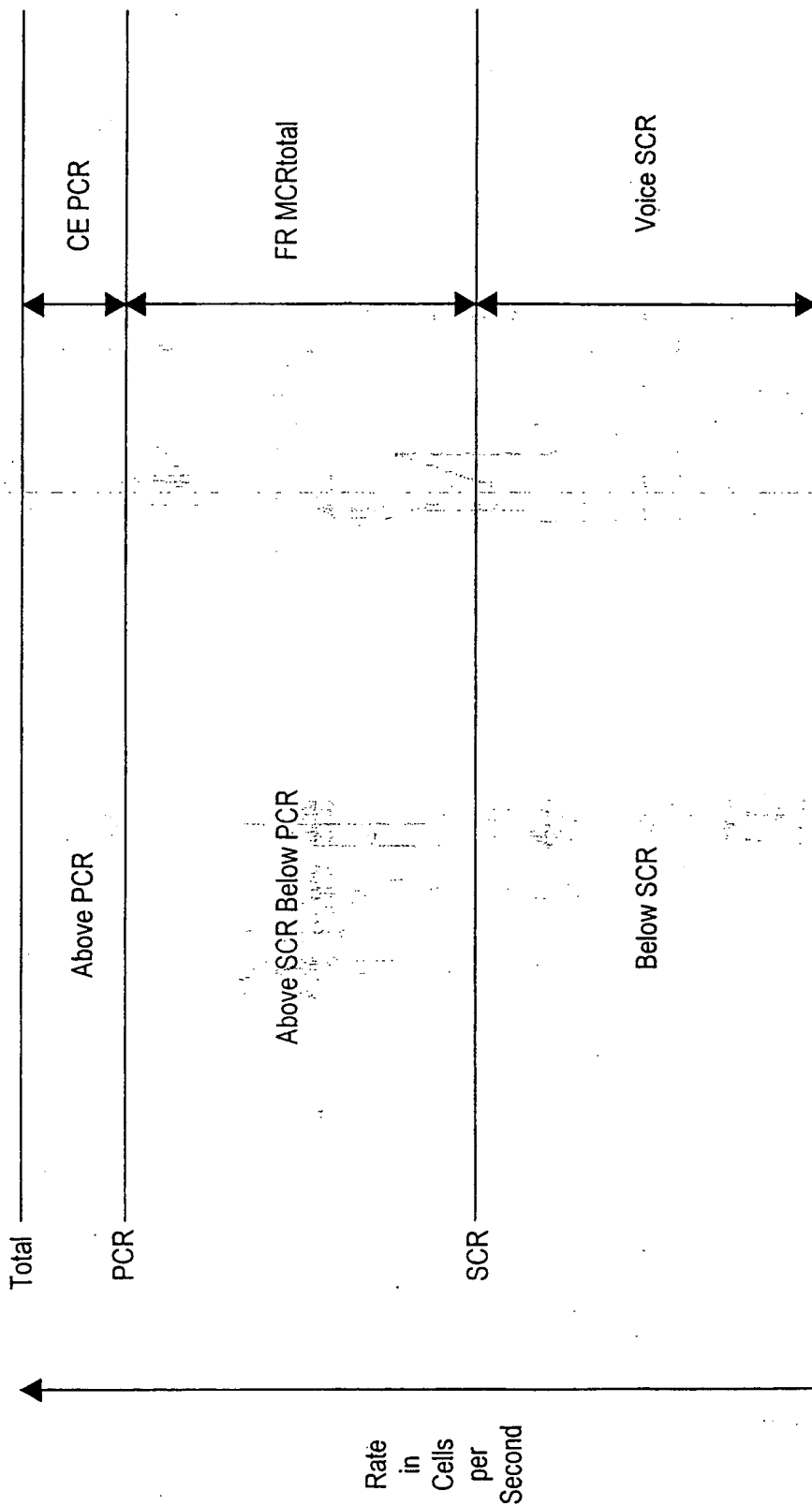
*Fig. 2*



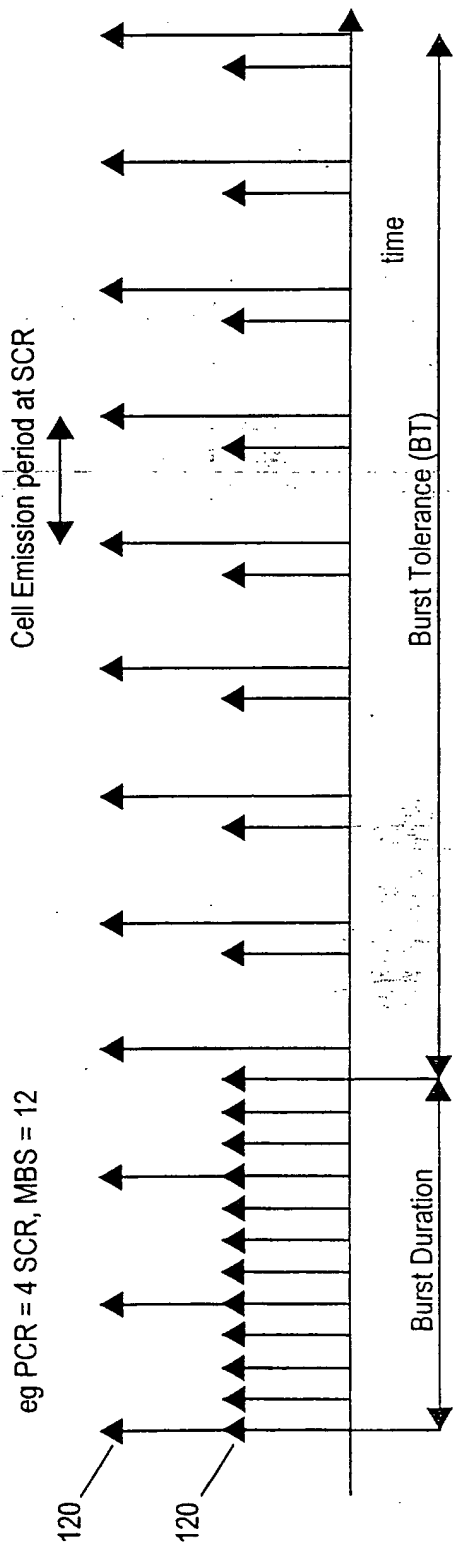
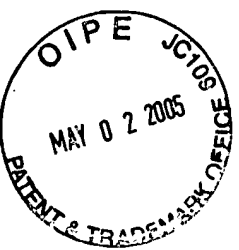
**Fig. 3**



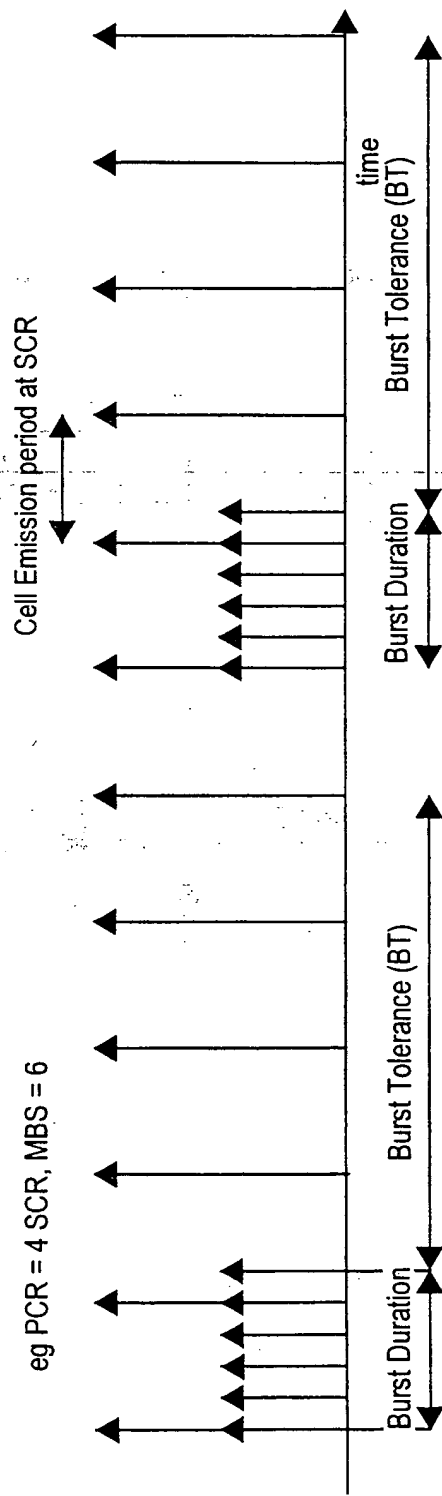
**Fig. 4**



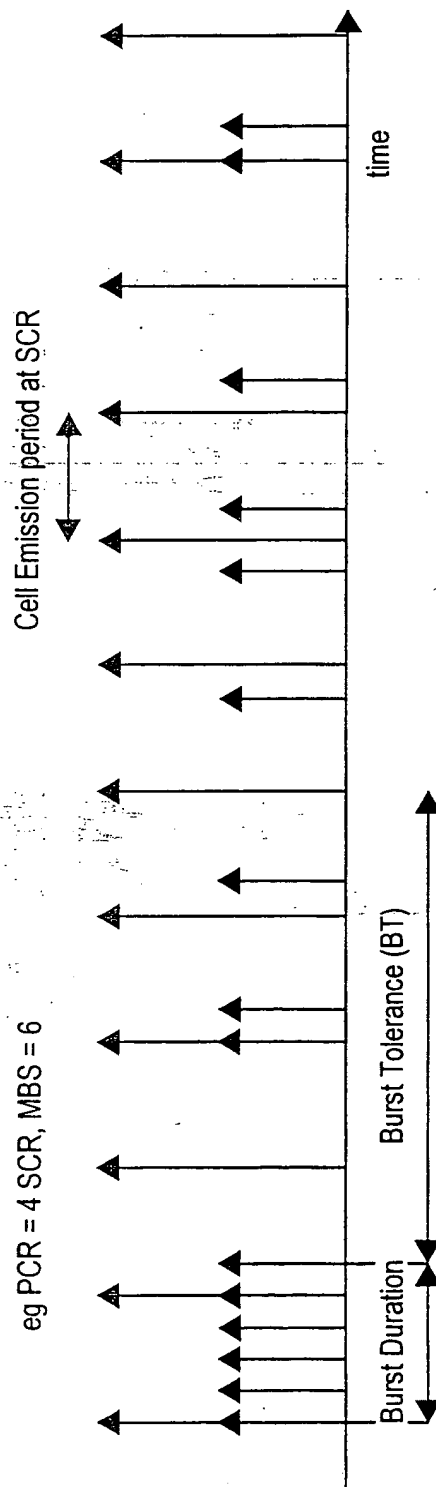
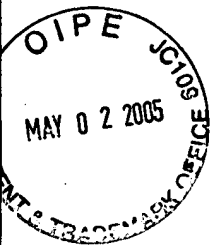
**Fig. 5**



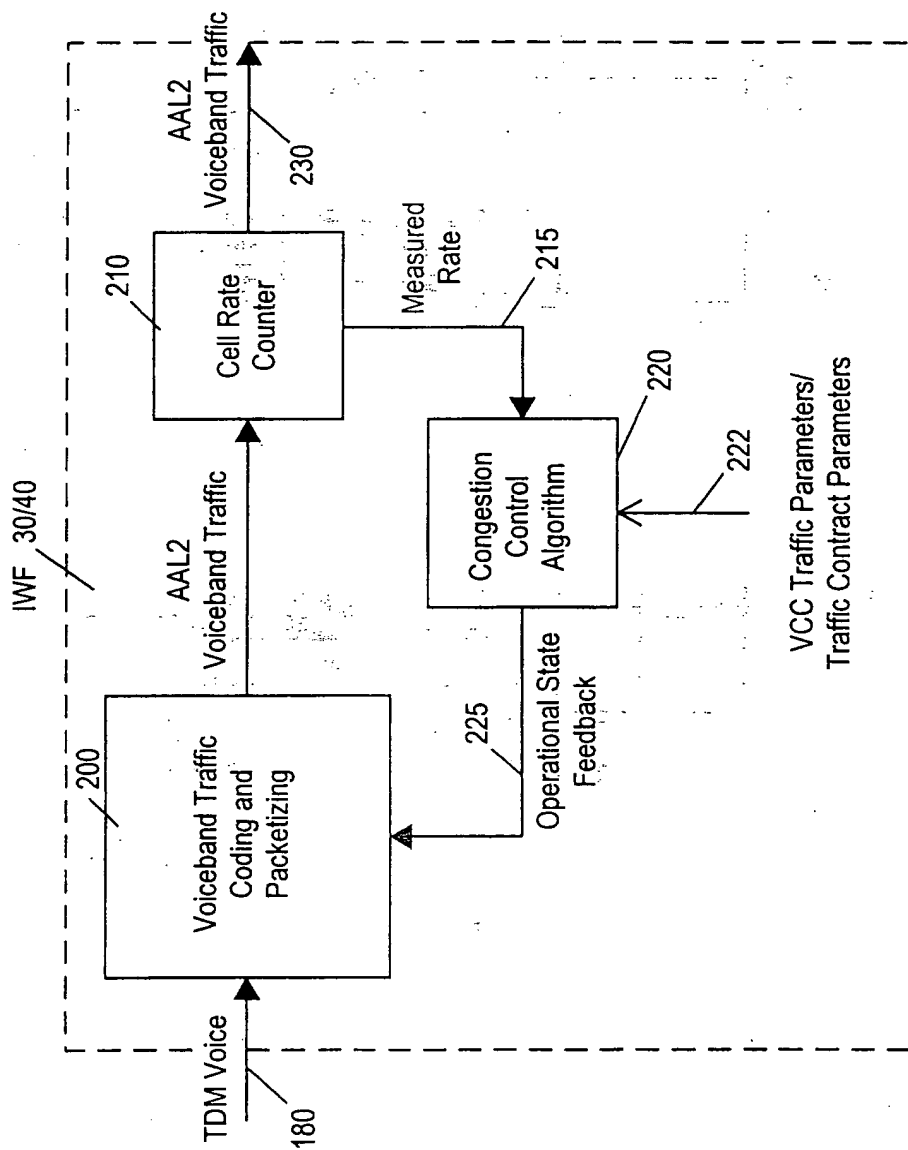
*Fig. 6*



*Fig. 7*

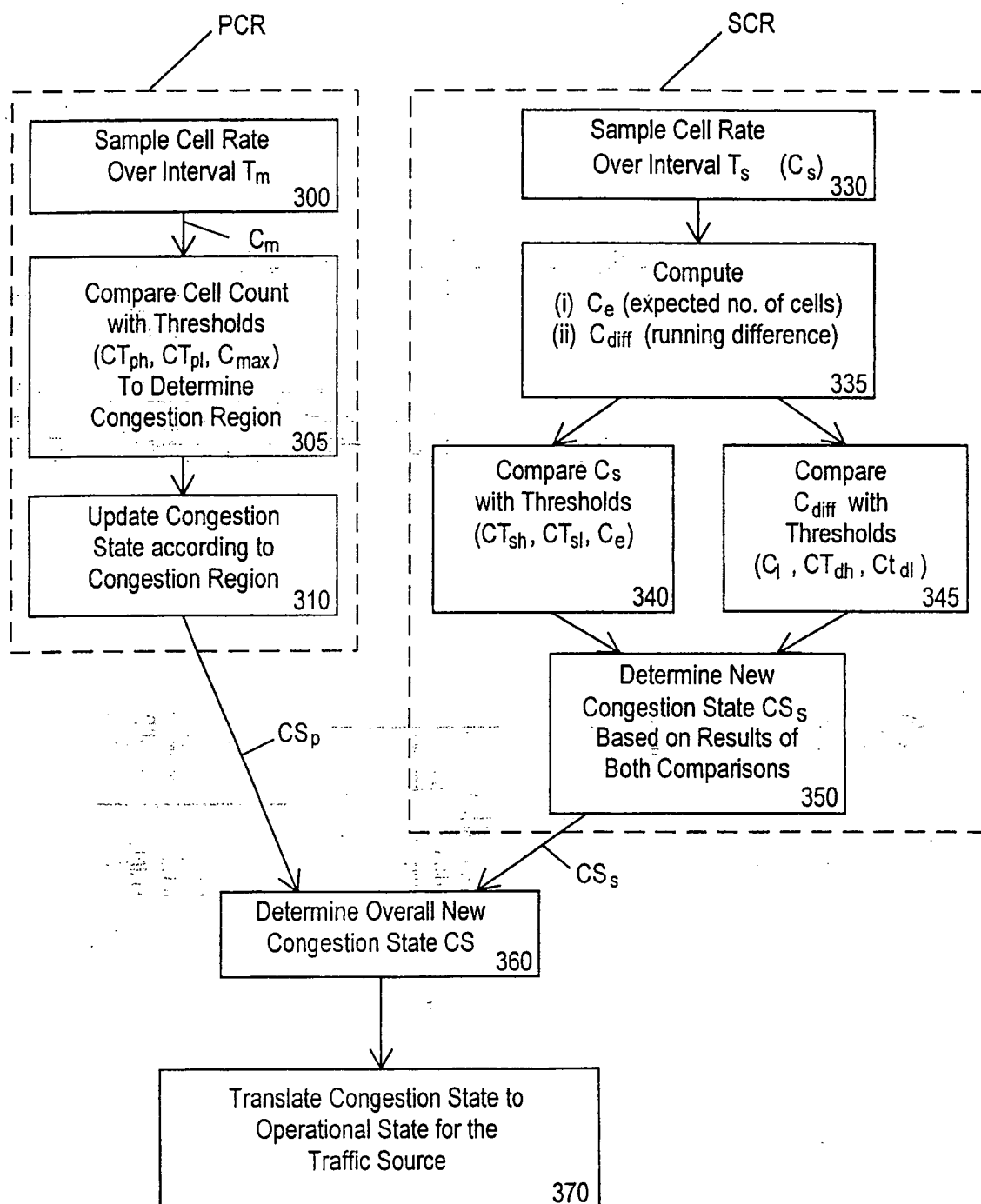


**Fig. 8**

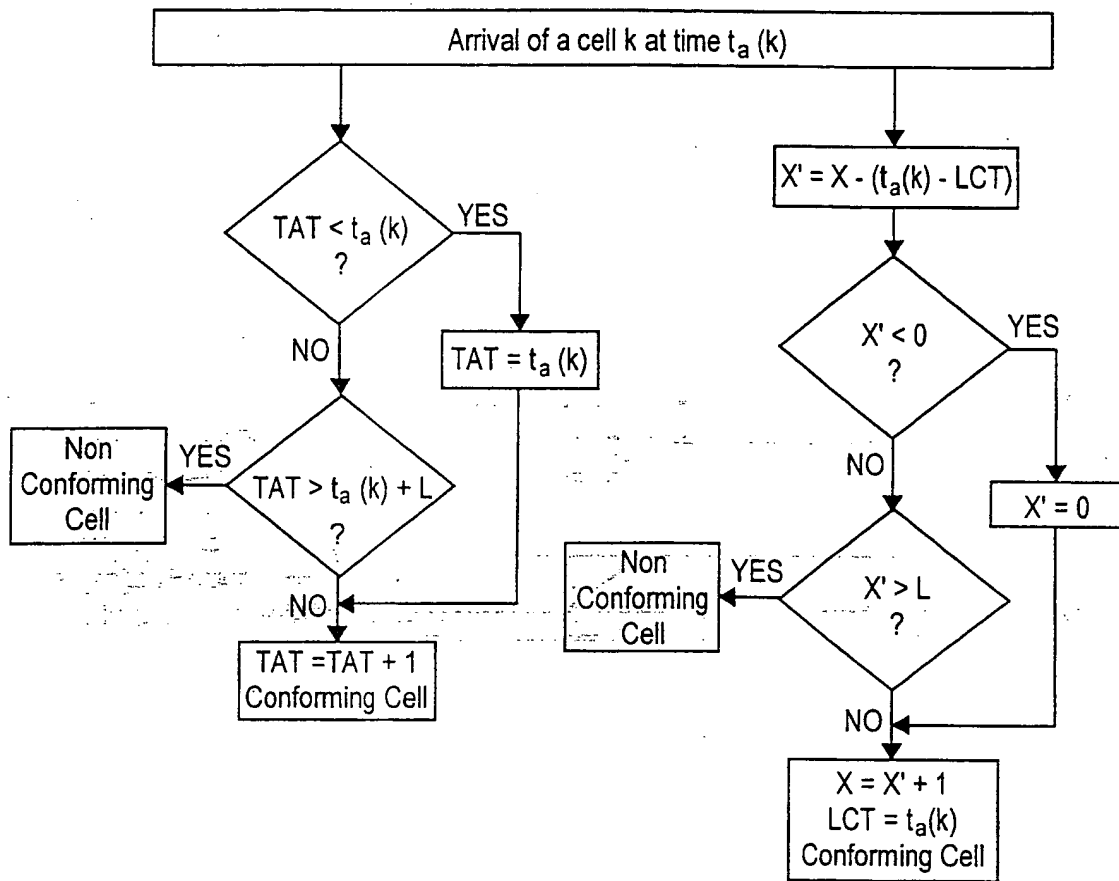


**Fig. 9**





**Fig.10**



### VIRTUAL SCHEDULING ALGORITHM

TAT Theoretical Arrival Time  
 $t_a(k)$  Time of Arrival of a-cell

### CONTINUOUS-STATE LEAKY BUCKET ALGORITHM

X Value of the Leaky Bucket Counter  
 $X'$  Auxilliary Variable  
LCT Last Compliance Time

I Increment  
L Limit

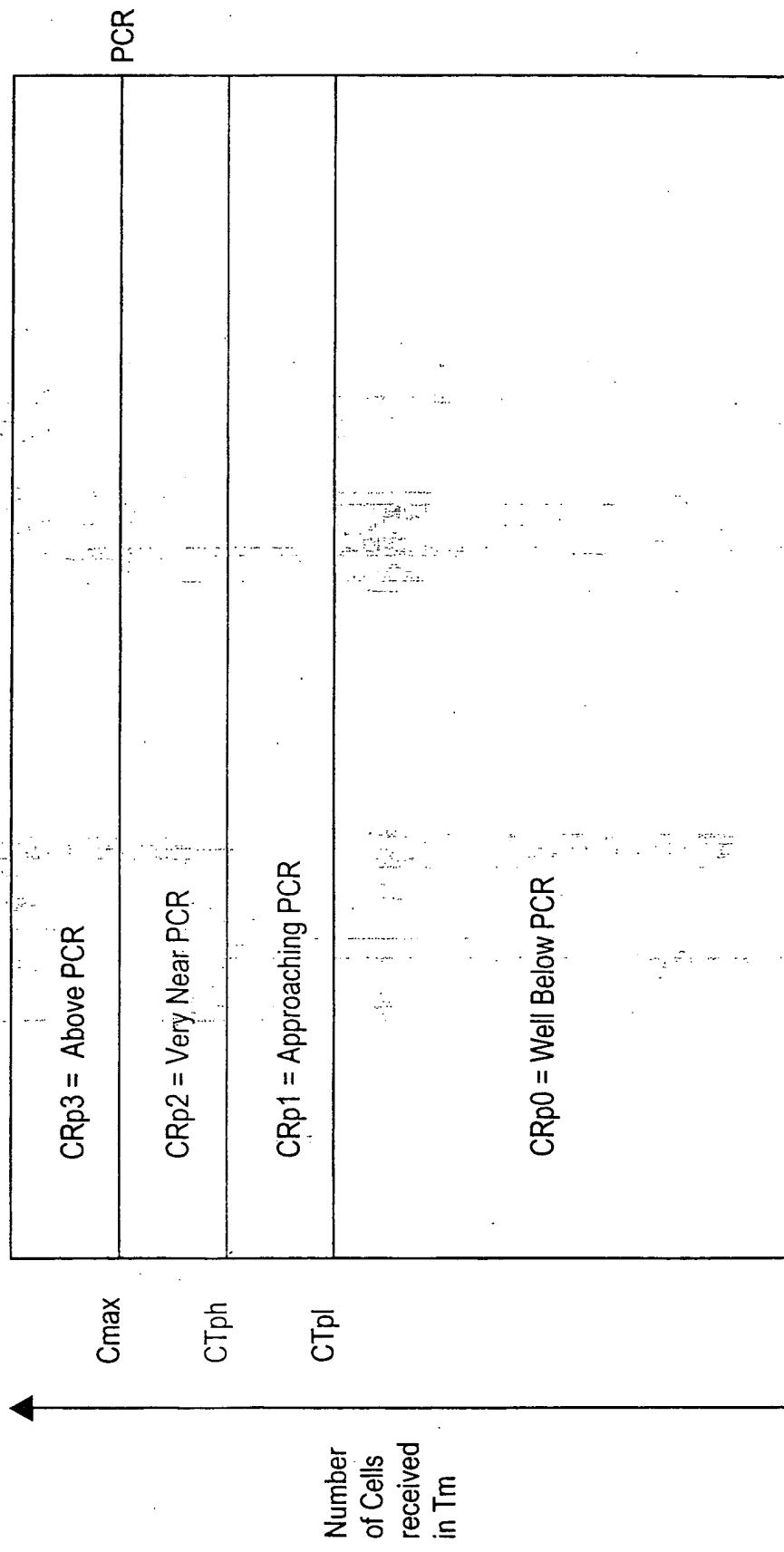
At the time of arrival  $t_a$  of the first cell of the connection,  $TAT = t_a(1)$

At the time of arrival  $t_a$  of the first cell of the connection,  $X = 0$  and  $LCT = t_a(k)$

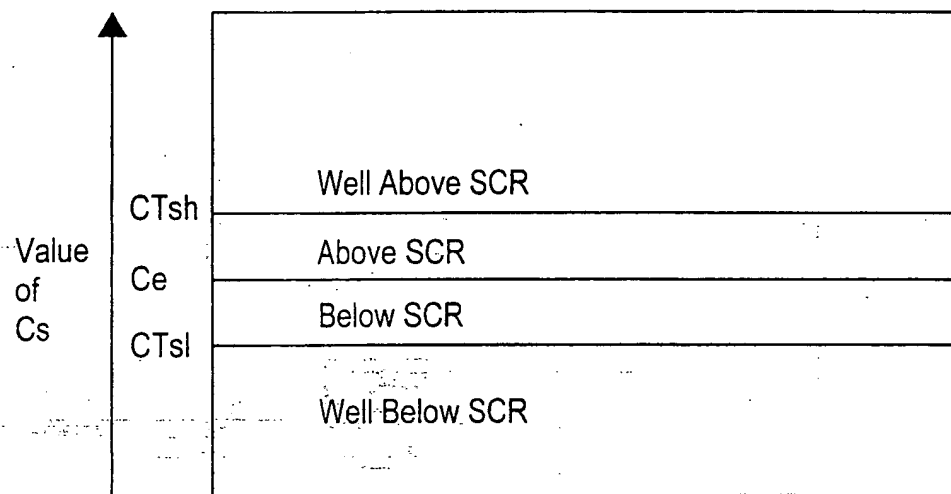
***(Prior Art)***  
***Fig.11***



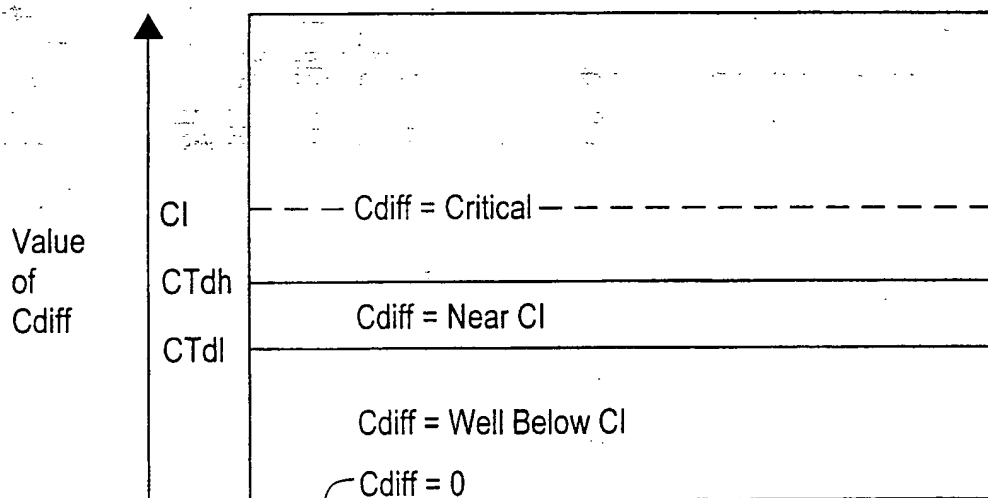
PCR Congestion Regions



**Fig. 12**



***Fig.13***



***Fig.14***